



ANEMO4403 V3 0-10V OUTPUT ANEMO4403 V3 4-20mA OUTPUT

ANEMO V3 range of IED Electronics.

Wind speed sensor designed for different industries and sectors.

ANEMO4403 V3 ANALOGUE OUTPUT is an analogue output anemometer, with 0-10V and 4-20mA versions. Output proportional to the wind speed with a full scale of 120 km/h or 180 km/h.

Industrial design for extreme environments

Analogue output (4-20 mA or 0-10 V)

Stainless Steel bearings

Low consumption

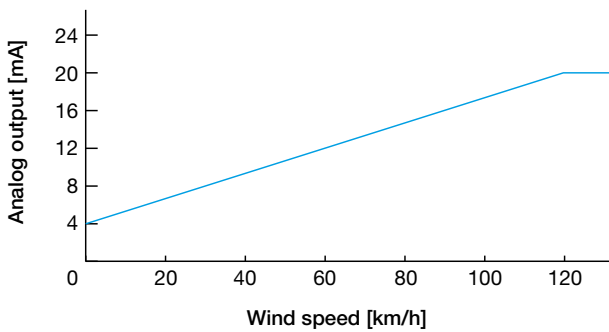
APPLICATIONS

ANEM04403 V3 has been designed for industrial applications: cranes, solar panels, wind turbines, weather stations... It is usually connected to devices such as displays (see our references WM44- EVO11, V12, BS100/X, WM44-P AI), PLCs or dataloggers to display the wind speed and/or set alarms to predefined values or to obtain records during predefined periods of time. The wind sensor must be fixed on a vertical position.

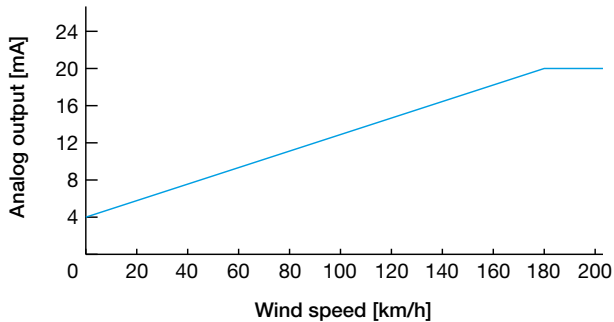
WIND SPEED - OUTPUT RATIO

Output signal proportional to the wind speed.

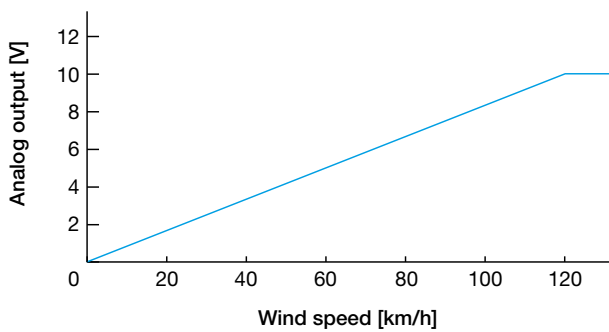
4...20 mA = 0...120 km/h



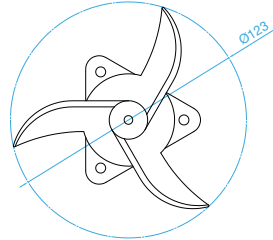
4...20 mA = 0...180 km/h



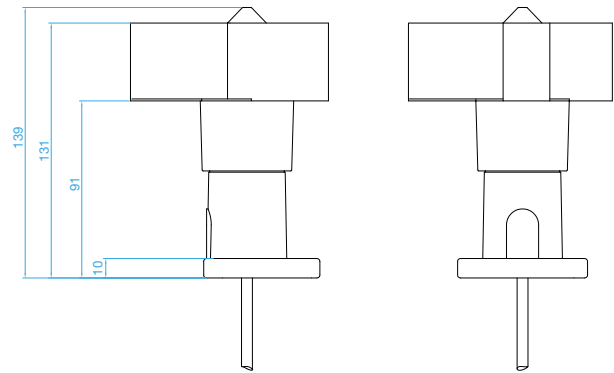
0...10 V = 0...120 km/h



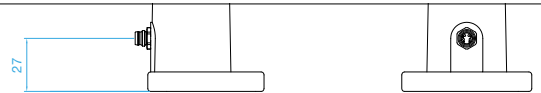
DIMENSIONS



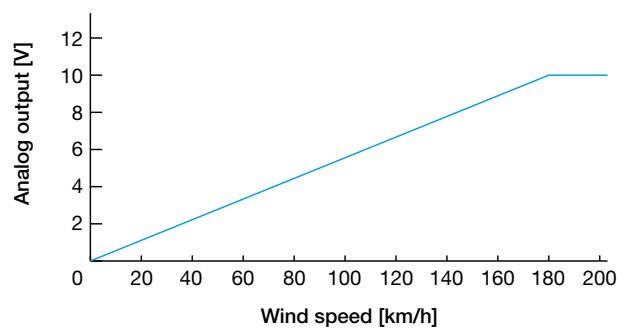
ANEM04403 V3 CABLE



ANEM04403 V3 M8 LATERAL



0...10 V = 0...180 km/h



TECHNICAL FEATURES

4-20 mA OUTPUT Electrical features

Power supply	12...30 Vdc
Maximum current	<20 mA
Type of output	Analogue (4-20 mA, 2 wires)
Maximum connectable impedance	$R_L < \frac{V_{cc} - 8V}{0.02 A} \Omega$

0-10 V OUTPUT Electrical features

Power supply	15-24 Vdc
Power consumption	<2.5 W
Type of output	Analogue (0-10 V)
Minimum connectable impedance	4k6 Ω

Measurements

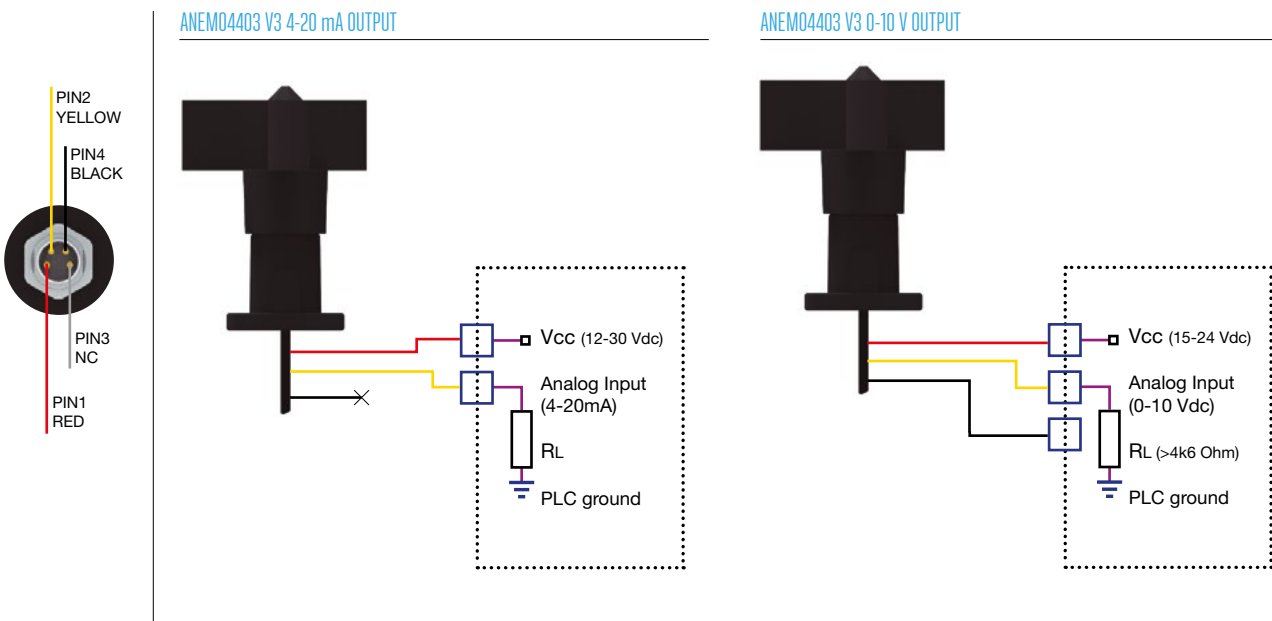
Range	3-120 km/h* 3-180 km/h*
Starting speed	8 km/h
Survival speed	200 km/h
Accuracy	1km/h (3-15 km/h) 3% (15-120 km/h)* 3% (15-180 km/h)*

*Depending on version

General features

Material	PA + FV
Bearings	Stainless steel X65Cr13
Type of connection	See references
Weight (with a 20m cable)	1425 g
Weight (without cable)	135 g
Dimensions	125x139 mm
Storage temperature	-35°C +80°C
Working temperature	-20°C +70°C
EMC	EN 61000-6-2:2001 EN 55022:2001, Class B
Protection	IP65 (UNE 20324:1993)

CONNECTION



REFERENCES AND VERSIONS

References

4-20mA OUTPUT

0103011001	Anemo4403 V3 4-20mA OUTPUT 120 km/h M8 LATERAL
0103011002	Anemo4403 V3 4-20mA OUTPUT 180 km/h M8 LATERAL
0103011003	Anemo4403 V3 4-20mA OUTPUT 120 km/h 20m CABLE
0103011004	Anemo4403 V3 4-20mA OUTPUT 180 km/h 20m CABLE
0103011005	Anemo4403 V3 4-20mA OUTPUT 120 km/h TIME 2s 20m CABLE

0-10V OUTPUT

0103010901	ANEMO4403 V3 0-10V OUTPUT 120km/h 20m CABLE
0103010902	ANEMO4403 V3 0-10V OUTPUT 180km/h 20m CABLE

Other devices of ANEMO4403 V3 range

Heated 4-20 mA

0103011401	ANEMO5H25 V3 4-20mA OUTPUT 120km/h M12 UNDERSIDE NO FEMALE CONNECTOR
0103011402	ANEMO5H25 V3 4-20mA OUTPUT 120km/h M12 UNDERSIDE
0103011403	ANEMO5H25 V3 4-20mA OUTPUT 120km/h M12 UNDERSIDE 12m CABLE
0103011404	ANEMO5H25 V3 4-20mA OUTPUT 120km/h M12 UNDERSIDE 25m CABLE
0103011405	ANEMO5H25 V3 4-20mA OUTPUT 180km/h M12 UNDERSIDE NO FEMALE CONNECTOR
0103011406	ANEMO5H25 V3 4-20mA OUTPUT 180km/h M12 UNDERSIDE
0103011407	ANEMO5H25 V3 4-20mA OUTPUT 180km/h M12 UNDERSIDE 12m CABLE
0103011408	ANEMO5H25 V3 4-20mA OUTPUT 180km/h M12 UNDERSIDE 25m CABLE

Displays

0106030411	WM44-EV011 V3 IP65 24Vdc*
0106030412	WM44-EV011 V3 IP65 230Vac*
0106030901	WM44-P V3 AI 0-10V/4-20 mA INPUT 24Vdc
0106030902	WM44-P V3 AI 0-10V/4-20 mA INPUT 230Vac
0001	V-12
0103024473	BS100/3 4-20mA (multifunction display large size 3 digitis)
0103024474	BS100/4 4-20mA (multifunction display large size 4 digitis)
0103024475	BS100/5 4-20mA (multifunction display large size 5 digitis)

*Only for 4-20mA OUTPUT version

Accessories

0103010505	Stainless steel bracket AISI 304
0103010506 ¹	Stainless steel bracket plus hardware for mounting the wind sensor on the bucket
0103010507 ¹	Magnets for flat ferromagnetic surfaces. This fixation system can support up to 90 kg
0103010508	2 steel clamps kit that can be fixed to irregular parts measuring up to 63 x 45 mm

¹ 10 unit minimum order. On sale exclusively with wind sensor.

*For other references, please contact us.

PDF download here:



IED Electronics Solutions S.L.
Pol. Plazaola E 6, 31195 Aizoain. Navarra (Spain)
www.iedelectronics.com
info@iedelectronics.com





ANEMO4403 V3 0-10V OUTPUT ANEMO4403 V3 4-20mA OUTPUT

Familia ANEMO V3 de IED Electronics.

Sensor de velocidad de viento diseñado para diferentes industrias y sectores.

El ANEMO4403 V3 ANALOG OUTPUT es un anemómetro con salida analógica. Con versiones de tensión (0-10 V) y de intensidad (4-20 mA). La salida es proporcional a la velocidad de viento con fondo de escala 120 km/h o 180 km/h.

Diseño industrial para entornos hostiles.

Salida analógica (4-20 mA o 0-10 V)

Rodamientos de acero inoxidable

Bajo consumo eléctrico

APLICACIONES

El ANEMO4403 V3 ha sido diseñado para el uso en aplicaciones industriales: grúas, paneles solares, aerogeneradores, estaciones meteorológicas...

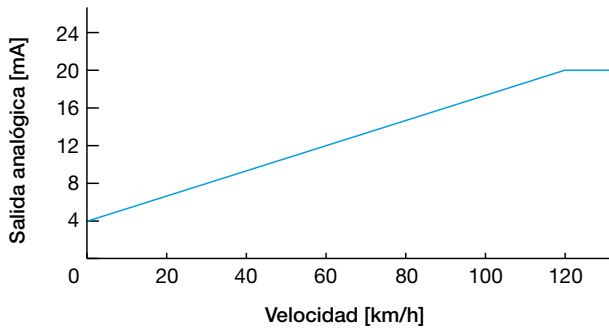
Habitualmente se conecta a equipos como visualizadores (ver nuestras referencias WM44- EVO11, V12, BS100/X, WM44-P AI), PLCs o dataloggers para visualizar la velocidad del viento y/o programar alarmas a valores predefinidos u obtener registros durante periodos de tiempo prefijados.

El anemómetro debe colocarse en posición vertical, quedando la parte giratoria hacia arriba.

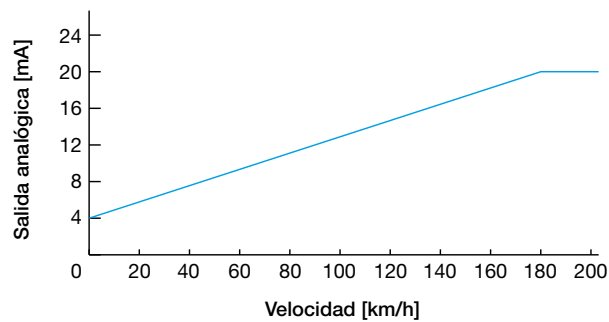
RELACIÓN VELOCIDAD DEL VIENTO-SALIDA

La señal de salida es proporcional a la velocidad del viento.

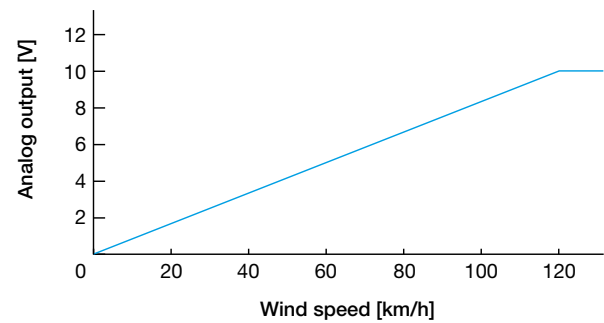
4...20 mA = 0...120 km/h



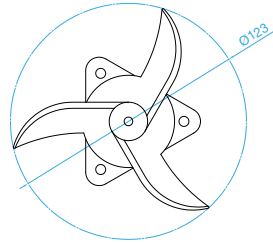
4...20 mA = 0...180 km/h



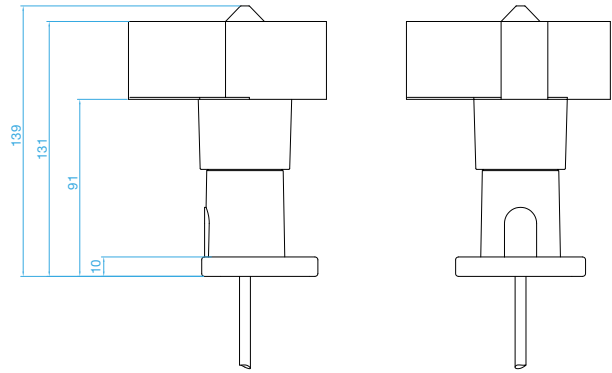
0...10 V = 0...120 km/h



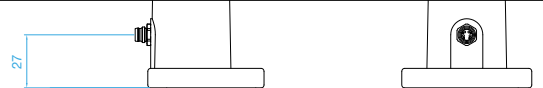
PLANOS



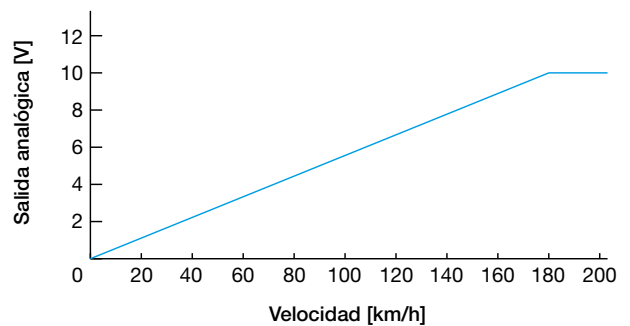
ANEMO4403 V3 CABLE



ANEMO4403 V3 M8 LATERAL



0...10 V = 0...180 km/h



CARACTERÍSTICAS TÉCNICAS

Características eléctricas 4-20 mA OUTPUT

Alimentación	12...30 Vdc
Intensidad máxima	<20 mA
Tipo de salida	Analógica (4-20 mA 2 hilos)
Impedancia máxima conectable	$R_L < \frac{V_{CC} - 8V}{0.02 A} \Omega$

Características eléctricas 0-10 V OUTPUT

Alimentación	15-24 Vdc
Potencia consumida	<2.5 W
Tipo de salida	Analógica (0-10 V)
Impedancia mínima conectable	4k6 Ω

Medida

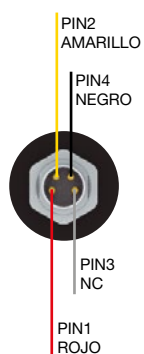
Rango	3-120 km/h* 3-180 km/h*
Velocidad de arranque	8 km/h
Velocidad máxima	200 km/h
Precisión	1km/h (3-15 km/h) 3% (15-120 km/h)* 3% (15-180 km/h)*

*según versión

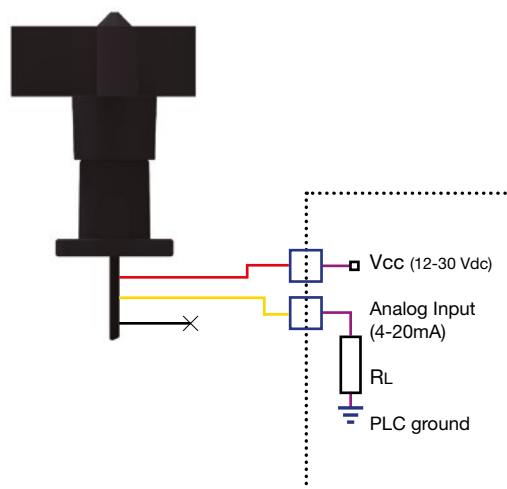
General

Material	PA + FV
Rodamientos	Acero inoxidable X65Cr13
Tipo de conexión	Ver apartado versiones
Peso (con manguera de 20m)	1425 g
Peso (sin manguera)	135 g
Dimensiones	125x139 mm
Tª almacenamiento	-35°C +80°C
Tª funcionamiento sin hielo	-20°C +70°C
EMC	EN 61000-6-2:2001 EN 55022:2001, Class B
Protección	IP65 (UNE 20324:1993)

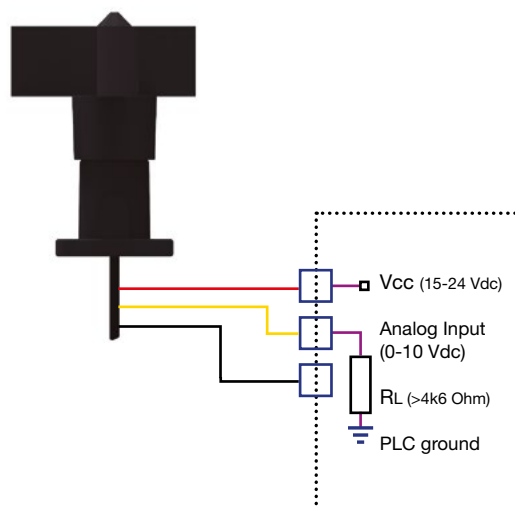
CONEXIONADO



ANEMO4403 V3 4-20 mA OUTPUT



ANEMO4403 V3 0-10 V OUTPUT



REFERENCIAS Y ACCESORIOS

Versiones

4-20mA OUTPUT	
0103011001	Anemo4403 V3 4-20mA OUTPUT 120 km/h M8 LATERAL
0103011002	Anemo4403 V3 4-20mA OUTPUT 180 km/h M8 LATERAL
0103011003	Anemo4403 V3 4-20mA OUTPUT 120 km/h 20m CABLE
0103011004	Anemo4403 V3 4-20mA OUTPUT 180 km/h 20m CABLE
0103011005	Anemo4403 V3 4-20mA OUTPUT 120 km/h TIME 2s 20m CABLE

0-10V OUTPUT

0103010901	ANEMO4403 V3 0-10V OUTPUT 120km/h 20m CABLE
0103010902	ANEMO4403 V3 0-10V OUTPUT 180km/h 20m CABLE

Otros equipos gama ANEMO4403 V3

Calefactados 4-20mA

0103011401	ANEMO5H25 V3 4-20mA OUTPUT 120km/h M12 UNDERSIDE NO FEMALE CONNECTOR
0103011402	ANEMO5H25 V3 4-20mA OUTPUT 120km/h M12 UNDERSIDE
0103011403	ANEMO5H25 V3 4-20mA OUTPUT 120km/h M12 UNDERSIDE 12m CABLE
0103011404	ANEMO5H25 V3 4-20mA OUTPUT 120km/h M12 UNDERSIDE 25m CABLE
0103011405	ANEMO5H25 V3 4-20mA OUTPUT 180km/h M12 UNDERSIDE NO FEMALE CONNECTOR
0103011406	ANEMO5H25 V3 4-20mA OUTPUT 180km/h M12 UNDERSIDE
0103011407	ANEMO5H25 V3 4-20mA OUTPUT 180km/h M12 UNDERSIDE 12m CABLE
0103011408	ANEMO5H25 V3 4-20mA OUTPUT 180km/h M12 UNDERSIDE 25m CABLE

Visualizadores

0106030411	WM44-EV011 V3 IP65 24Vdc*
0106030412	WM44-EV011 V3 IP65 230Vac*
0106030901	WM44-P V3 AI 0-10V/4-20 mA INPUT 24Vdc
0106030902	WM44-P V3 AI 0-10V/4-20 mA INPUT 230Vac
0001	V-12
0103024473	BS100/3 4-20mA (display multifunción gran tamaño 3 dígitos)
0103024474	BS100/4 4-20mA (display multifunción gran tamaño 4 dígitos)
0103024475	BS100/5 4-20mA (display multifunción gran tamaño 5 dígitos)

*Sólo para versión 4-20mA OUTPUT

Accesorios

0103010505	Soporte de acero inoxidable AISI 304 para fijación
0103010506 ¹	Kit de soporte más tornillería para la fijación del anemómetro al soporte
0103010507 ¹	Kit de 4 imanes más tornillería para fijación en superficies ferromagnéticas planas Esta fijación puede soportar hasta 90 kg
0103010508	Kit de 2 bridas de acero para la fijación a elementos irregulares de hasta 63x45mm

¹ Pedido mínimo de 10 ud. Venta exclusiva junto con equipo.

*Otras versiones, consultar

Descargar PDF aquí:



IED Electronics Solutions S.L.
Pol. Plazaola E 6, 31195 Aizoáin. Navarra (Spain)
www.iedelectronics.com
info@iedelectronics.com

